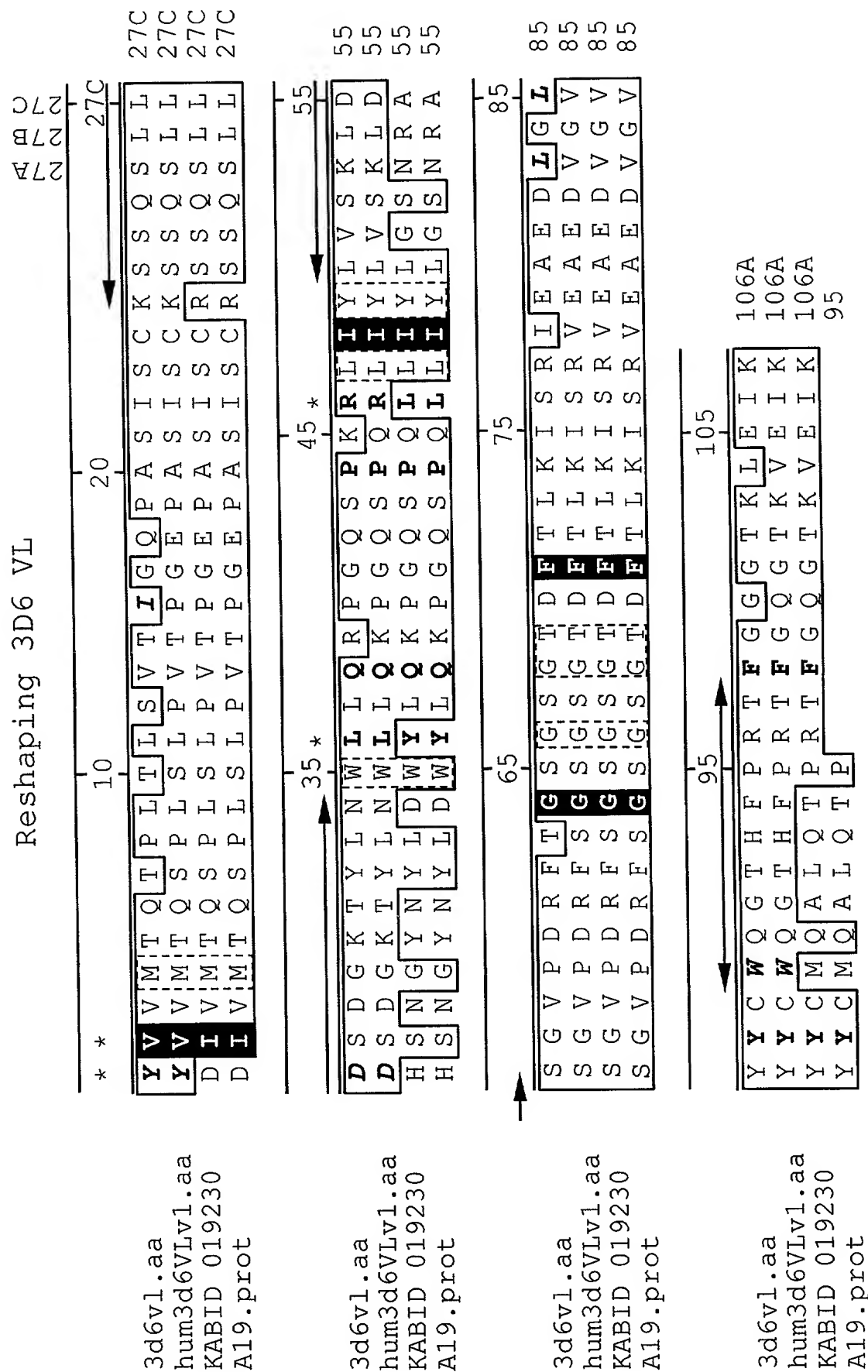


FIG. 1



'Decoration #1': Box residues that match hum3D6VLv1.aa exactly. Residue numbering cf Kabat
 3d6vl.aa - Donor murine sequence hum3d6VLv1.aa - humanized 3d6
 KABID 019230 - human acceptor framework A19.prot - human germline VH

FIG. 2

Reshaping 3D6 VH

3d6vh.aa	E	V	K	L	V	E	S	G	G	L	V	K	P	G	A	S	L	K	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	M	S	W	V	R	Q	N	S	D	K	R	L	E	W	V	A	S
hum3d6VHv1.aa	E	V	Q	L	L	E	S	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	M	S	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	S
KABID 045919	E	V	Q	L	L	E	S	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	M	S	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	S
VH3-23.prot	E	V	Q	L	L	E	S	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	M	S	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	S

3d6vh.aa	I	R	S	G	G	R	T	Y	Y	S	D	N	V	K	G	R	F	T	I	S	R	E	N	A	K	N	T	L	Y	L	Q	M	S	L	K	S	E	D	T	A	L	Y	Y	C	V	R	Y	D
hum3d6VHv1.aa	I	R	S	G	G	R	T	Y	Y	S	D	N	V	K	G	R	F	T	I	S	R	E	N	A	K	N	T	L	Y	L	Q	M	S	L	K	S	E	D	T	A	L	Y	Y	C	V	R	Y	D
KABID 045919	I	S	G	S	G	S	T	Y	Y	A	D	S	V	K	G	R	F	T	I	S	R	E	N	A	K	N	T	L	Y	L	Q	M	S	L	K	S	E	D	T	A	L	Y	Y	C	V	R	Y	D
VH3-23.prot	I	S	G	S	G	S	T	Y	Y	A	D	S	V	K	G	R	F	T	I	S	R	E	N	A	K	N	T	L	Y	L	Q	M	S	L	K	S	E	D	T	A	L	Y	Y	C	V	R	Y	D

3d6vh.aa	H	Y	S	G	S	S	-	-	D	Y	W	G	Q	G	T	T	V	T	V	S	S
hum3d6VHv1.aa	H	Y	S	G	S	S	-	-	D	Y	W	G	Q	G	T	T	V	T	V	S	S
KABID 045919	Y	D	F	W	S	G	T	F	D	Y	W	G	Q	G	T	L	V	T	V	S	S

'Decoration #1': Box residues that match hum3d6VHv1.aa exactly. Residue Numbering cf Kabat

- 3d6vh.aa - Donor murine sequence
- hum3d6VHv1.aa - humanized 3d6 VH
- KABID 045919 - human acceptor framework
- VH3-23.prot - human germline VH

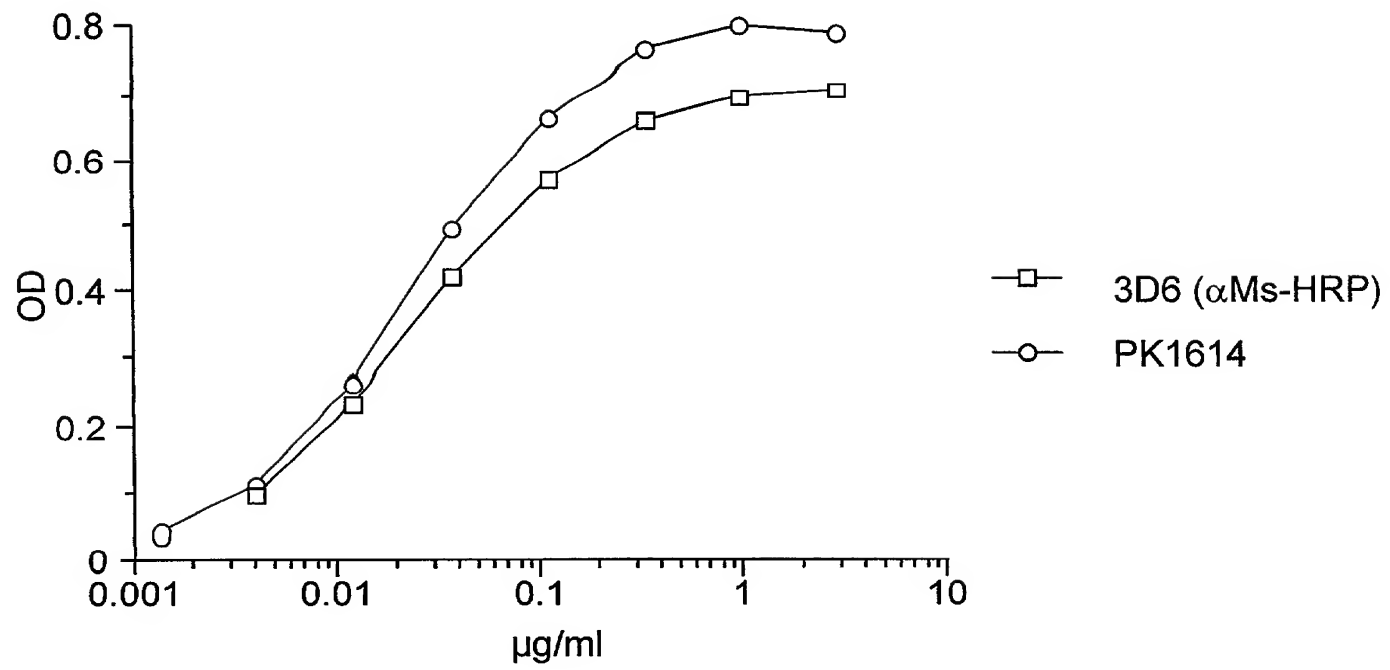
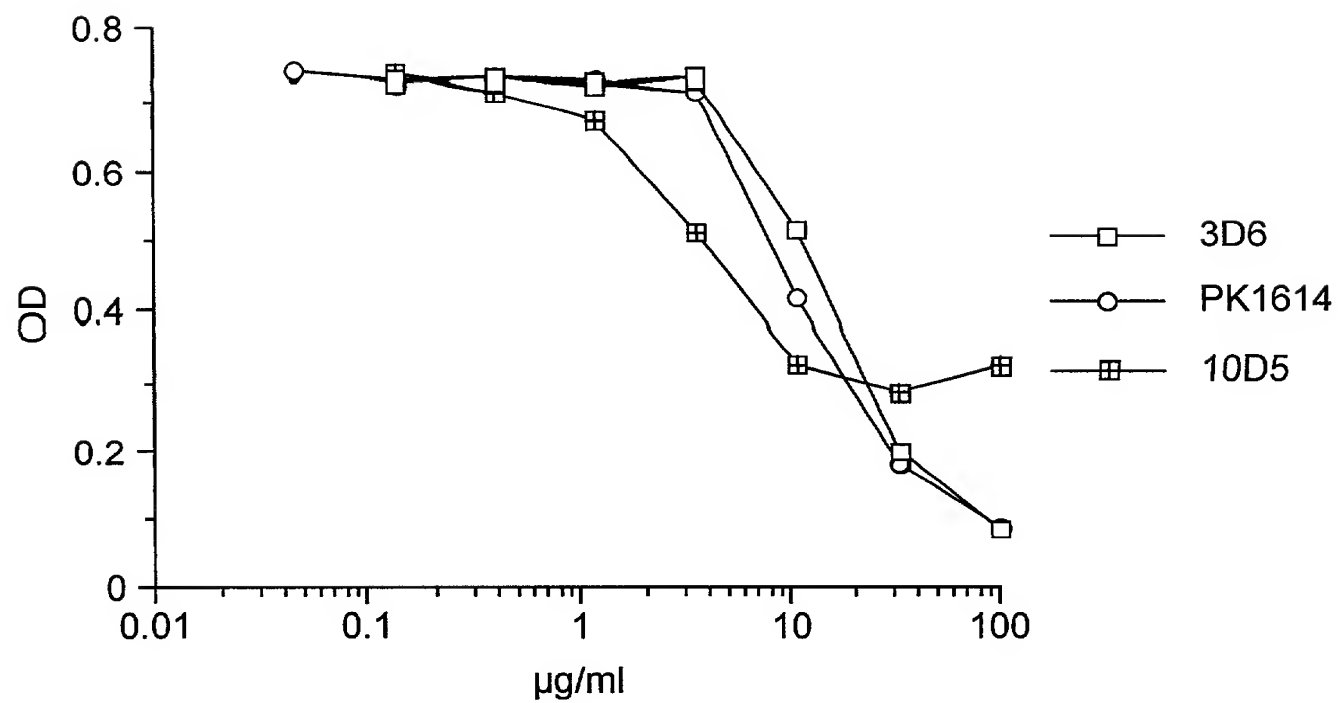
FIG. 3A $A\beta$ 42 ELISA**FIG. 3B** $A\beta$ 42 ELISA
competition of 3D6-B

FIG. 4

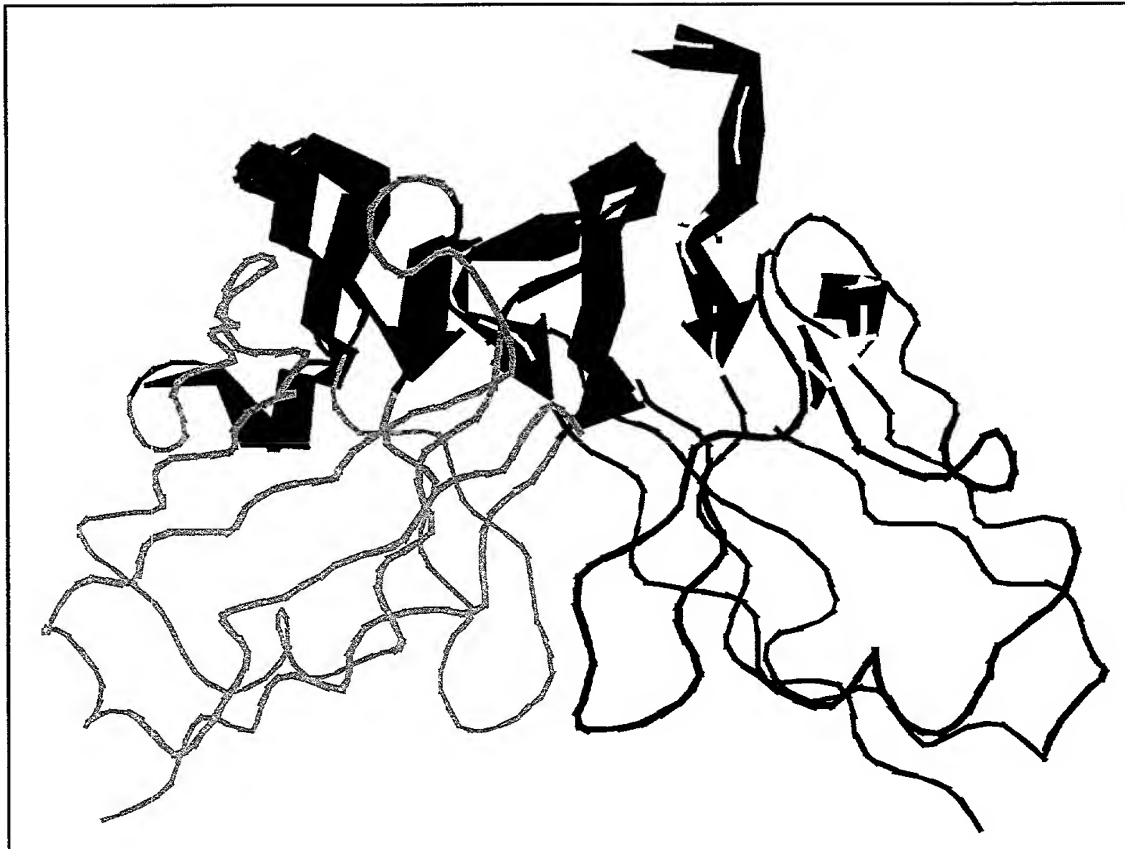


FIG. 5A

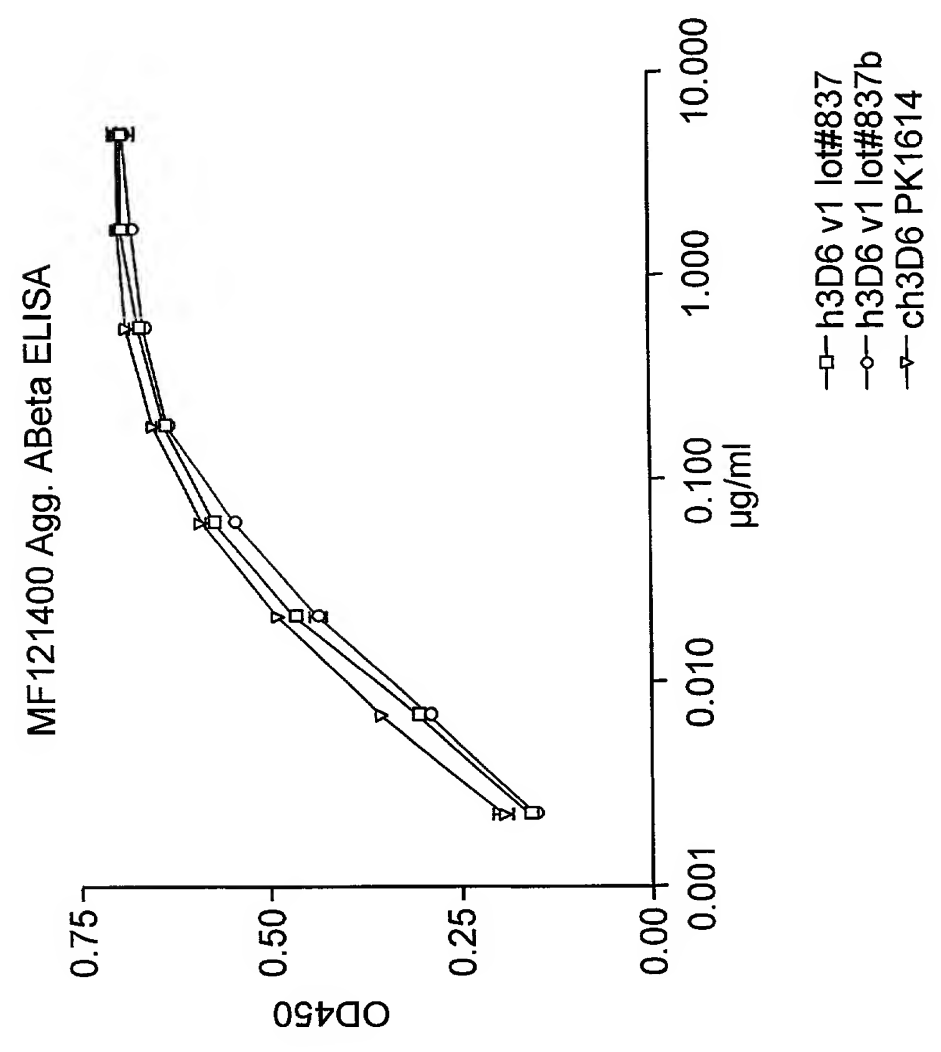


FIG. 5B

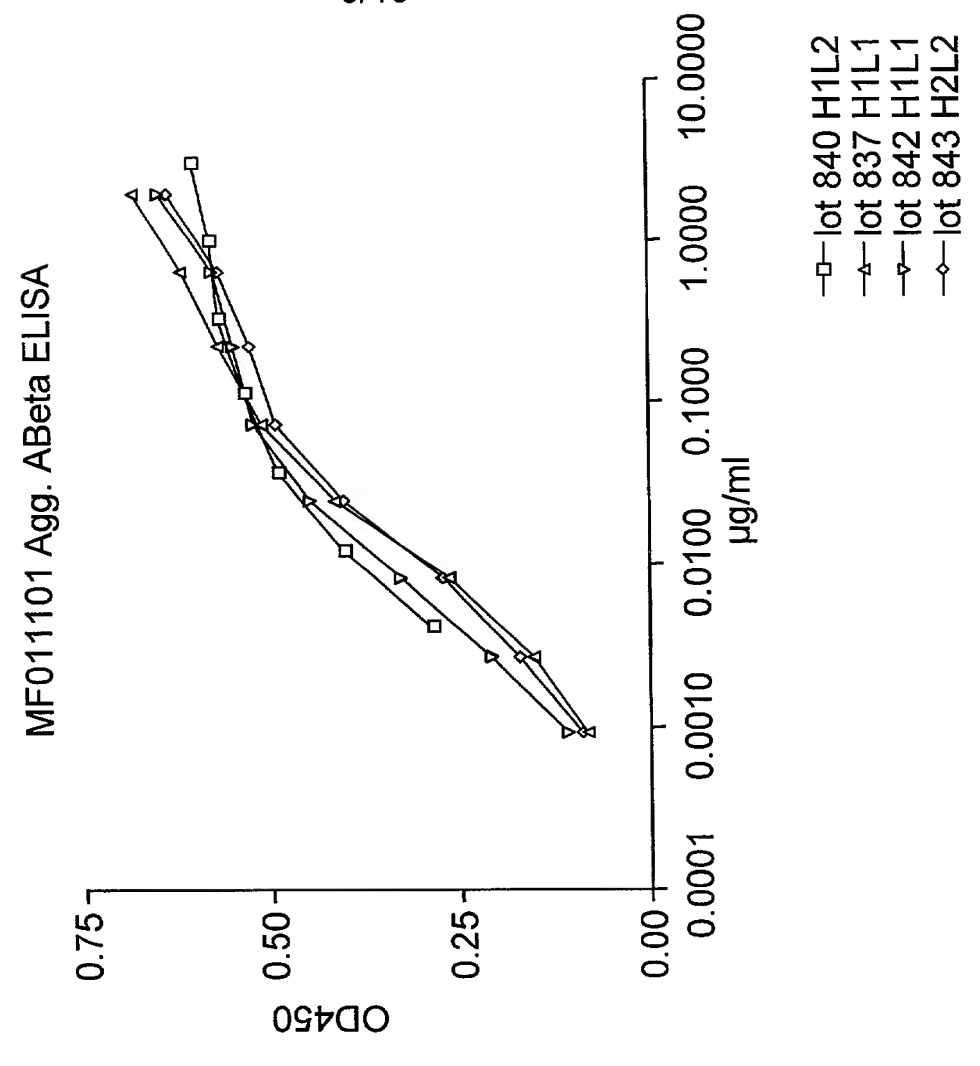
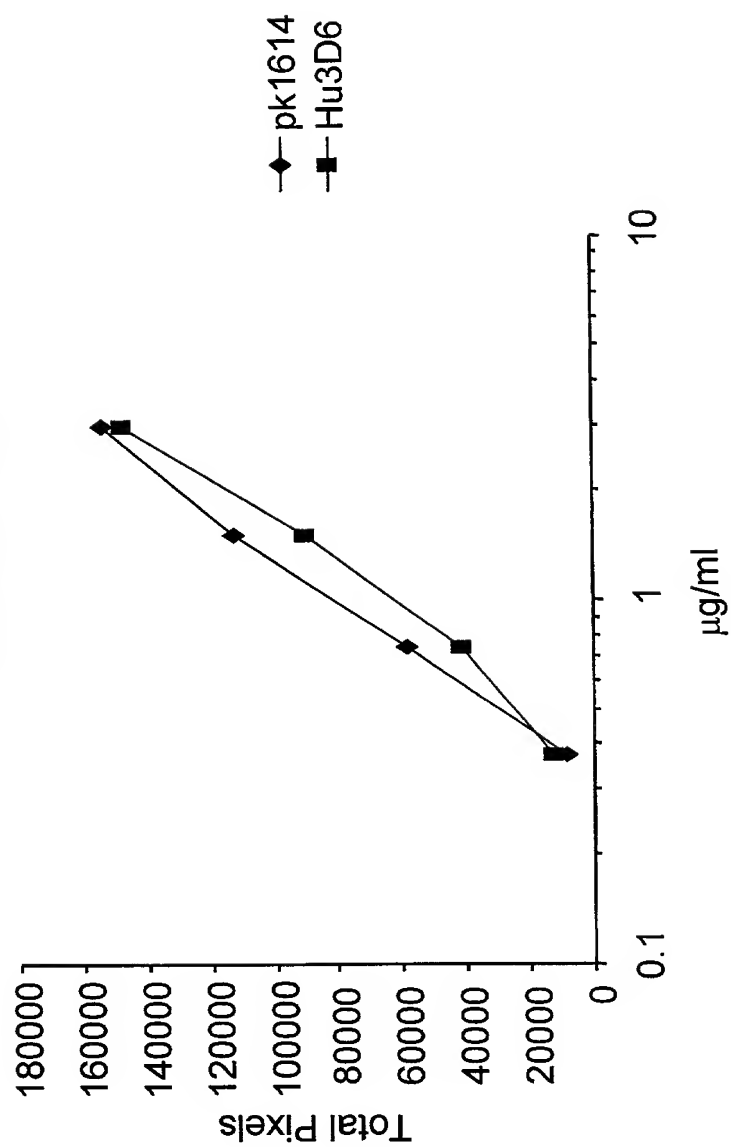


FIG. 6

Staining of PDAPP brain sections with humanized 3D6

MAb Titrations on PD-APP Brain Sections
Channels 70-256



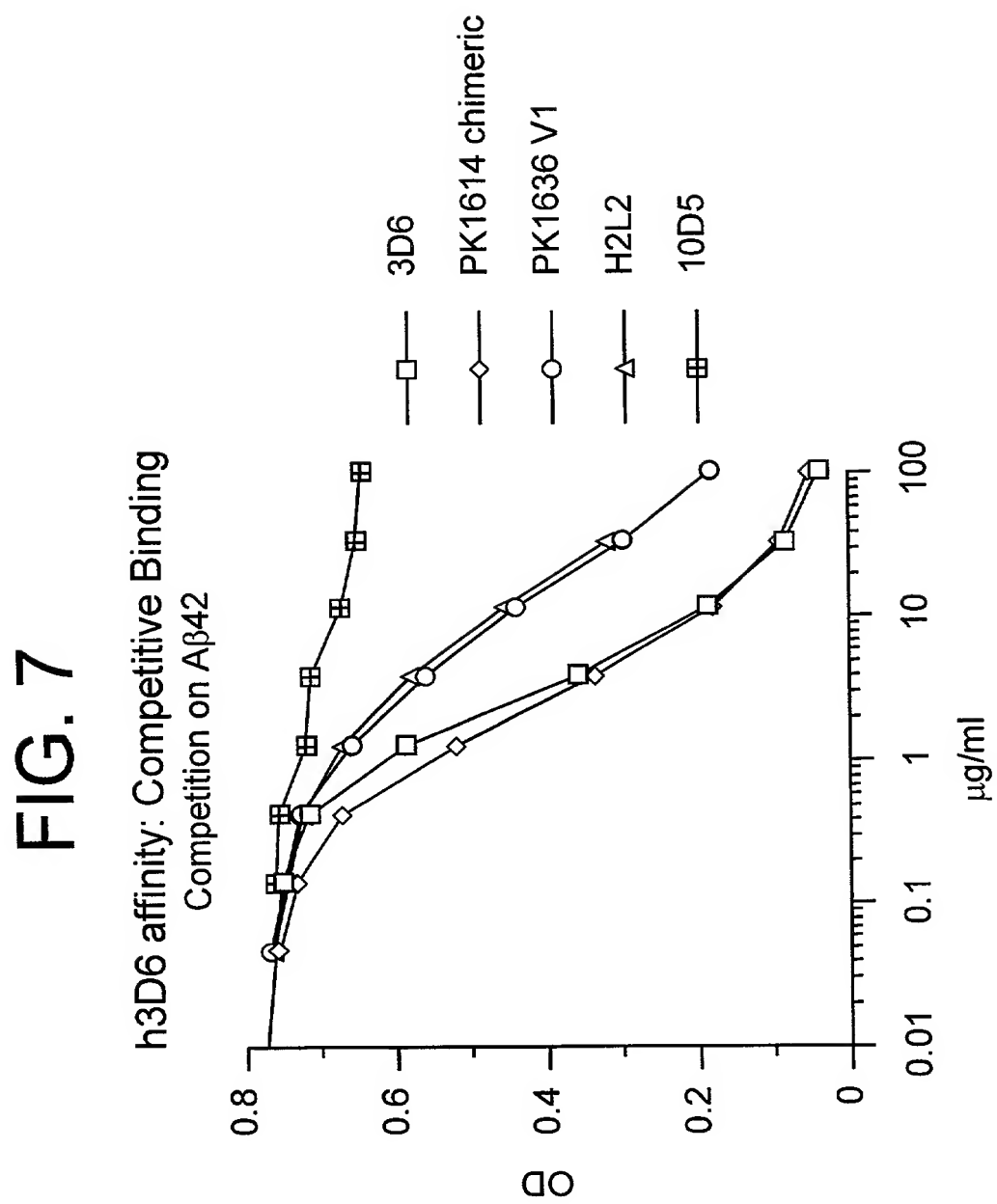


FIG. 8

Ex-vivo assay: Stimulation of microglial
phagocytosis by h3D6
Ex vivo PDAPP
266/3D6-B

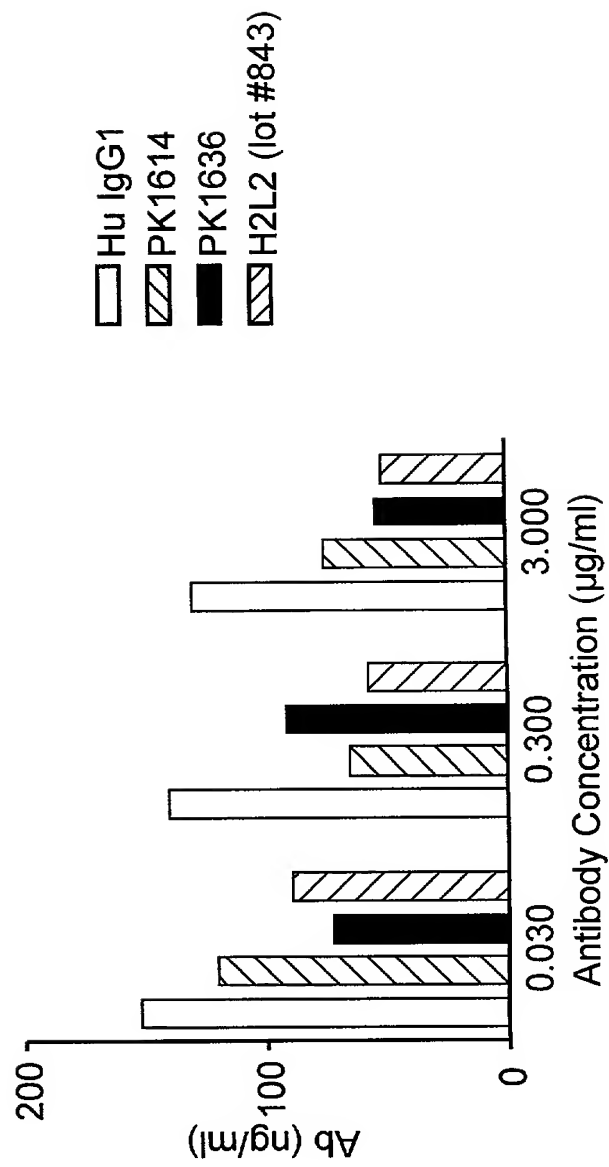


FIG. 9

10D5v1.pro	M	K	L	P	V	R	L	L	-	V	L	M	F	W	I	P	A	S	S	S	D	V	L	M	T	Q	T	P	L	S	29
3D6v1.pro	M	M	S	P	A	Q	F	L	F	L	L	V	L	W	I	R	E	T	N	G	Y	V	V	M	T	Q	T	P	L	T	30
	30										40									50											
10D5v1.pro	L	P	V	S	L	G	D	Q	A	S	I	S	C	R	S	S	Q	N	I	I	H	S	N	G	N	T	Y	L	E	W	59
3D6v1.pro	L	S	V	T	I	G	Q	P	A	S	I	S	C	K	S	S	Q	S	L	L	D	S	D	G	K	T	Y	L	N	W	60
	60										70									80											
10D5v1.pro	Y	L	Q	K	P	G	Q	S	P	K	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	89
3D6v1.pro	L	L	Q	R	P	G	Q	S	P	K	R	L	I	Y	L	V	S	K	L	D	S	G	V	P	D	R	F	T	G	S	90
	90										100									110											
10D5v1.pro	G	S	G	T	D	F	T	L	K	I	K	K	V	E	A	E	D	L	G	I	Y	Y	C	F	Q	G	S	H	V	P	119
3D6v1.pro	G	S	G	T	D	F	T	L	K	I	S	R	I	E	A	E	D	L	G	L	Y	Y	C	W	Q	G	T	H	F	P	120
	120										130																				
10D5v1.pro	L	T	F	G	A	G	T	K	L	E	L	E																			131
3D6v1.pro	R	T	F	G	G	T	K	L	E	I	K																				132

FIG. 10

	10	20	30	
10D5vh.pro	M D - R L T S S F L L I V P A Y V L S Q A T L K E S G P G			29
3D6vh.PRO	M N F G L S L I F L V L V L K G - V Q C E V K L V E S G G G			29
	40	50	60	
10D5vh.pro	I L Q S S Q T L S L T C S F S S G F S L S T S G M G V S W I R			59
3D6vh.PRO	L V K P G A S L L K L S C A A S G F T F S N Y G M - - S W V R			57
	70	80	90	
10D5vh.pro	Q P S G K G L E W L A H I Y W D D K R Y - N P S L K S R L			88
3D6vh.PRO	Q N S D K R L E W V A S I R S G G G R T Y Y S D N V K G R F			87
	100	110	120	
10D5vh.pro	T I S K D T S R K Q V F L K I T S V D P A D T A T Y Y C V R			118
3D6vh.PRO	T I S R E N A K N T L Y L Q M S S L K S E D T A L Y Y C V R			117
	130	140		
10D5vh.pro	R P I T P V L V D A M D Y W G Q G T S V T V S S			142
3D6vh.PRO	- - - Y D H Y S G S S D D Y W G Q G T T V T V S S			138